

What Is Claimed Is:

1. An apparatus for preventing slipping of a vehicle on a slope, wherein the apparatus is installed at a brake hydraulic circuit connecting a master cylinder to wheel cylinders, in order to apply brake hydraulic pressure into the wheel cylinders even after a brake pedal is released, the apparatus comprising:
 - solenoid valves for shutting the brake hydraulic circuits; and
 - variable orifices for variably reducing brake force of the wheel cylinders after the brake pedal is released, by taking advantage of a brake fluid flow to the master cylinder, wherein the solenoid valves and the variable orifices are connected to the brake hydraulic circuits in parallel.
2. The apparatus according to claim 1, further comprising:
 - relief valves connected to the solenoid valves and the variable orifices in parallel, respectively, for reducing the brake hydraulic pressure in the wheel cylinders to a designated pressure by a release of the brake pedal in case that a higher brake hydraulic pressure than the designated pressure is generated in the wheel cylinders while the brake hydraulic circuits are shut down.
3. The apparatus according to claim 1, further comprising:
 - check valves connected to the solenoid valves and the variable orifices in parallel, respectively, for transferring brake hydraulic pressure generated from the master cylinder to the wheel cylinders while the brake hydraulic circuits are shut down.
4. The apparatus according to claim 2, further comprising:

check valves connected to the solenoid valves and the variable orifices in parallel, respectively, for transferring brake hydraulic pressure generated from the master cylinder to the wheel cylinders while the brake hydraulic circuits are shut down.